


# Award Completion Statement

<b>1. FROM: (Award Administration Office)</b> Office of Naval Research, Chicago Regional Office 536 South Clark Street Room 208 Chicago, IL 60605-1509 Main Office Phone: (312) 886-5423      FAX: (312) 353-2094		<b>2a. AWARD NUMBER</b> N00014-95-1-1302													
		<b>2b. LAST ADMINISTRATION MODIFICATION NUMBER</b> A00004													
		<b>2c. LAST AWARDDING AGENCY MODIFICATION NUMBER</b> P00007													
<b>3. TO: (Name and Address of Awarding Agency or Payment office, as applicable)</b>  OFFICE OF NAVAL RESEARCH ATTN: ONR CODE 251, Elizabeth Ford 800 NORTH QUINCY STREET ARLINGTON, VA 22217-5660		<b>4. NAME OF AWARDEE</b> Purdue Research Foundation WEST LAFAYETTE, IN													
		<b>5. EXCESS FUNDS (ULO)</b>  \$0.00													
<b>6a. IF FINAL PAYMENT HAS BEEN MADE, COMPLETE ITEMS 6b., AND 6c.</b>		<b>6b. VOUCHER NUMBER</b>													
<b>6c. DATE</b>															
<b>7a. IF FINAL APPROVED INVOICE FORWARDED TO D.O. OF ANOTHER ACIVITY AND STATUS OF PAYMENT IS UNKNOWN, COMPLETE ITEMS 7b, AND 7c.</b>		<b>7b. INVOICE NUMBER</b>													
		<b>7c. DATE FORWARDED</b>													
<b>8. REMARKS</b> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th></th> <th style="text-align: center;">CAMIS</th> <th style="text-align: center;">STARS</th> </tr> </thead> <tbody> <tr> <td>Total amount obligated:</td> <td style="text-align: right;">\$10,449,588.81</td> <td style="text-align: right;">\$10,449,588.81</td> </tr> <tr> <td>Total amount approved / disbursed:</td> <td style="text-align: right;">\$10,449,588.81</td> <td style="text-align: right;">\$10,449,588.81</td> </tr> <tr> <td>Excess funds to deobligate (ULO):</td> <td style="text-align: right;">\$0.00</td> <td style="text-align: right;">\$0.00</td> </tr> </tbody> </table>					CAMIS	STARS	Total amount obligated:	\$10,449,588.81	\$10,449,588.81	Total amount approved / disbursed:	\$10,449,588.81	\$10,449,588.81	Excess funds to deobligate (ULO):	\$0.00	\$0.00
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Total amount obligated:	\$10,449,588.81	\$10,449,588.81													
Total amount approved / disbursed:	\$10,449,588.81	\$10,449,588.81													
Excess funds to deobligate (ULO):	\$0.00	\$0.00													
<b>9a. ALL ADMINISTRATION OFFICE ACTIONS REQUIRED HAVE BEEN SATISFACTORILY COMPLETED. THIS INCLUDES FINAL SETTLEMENT IN THE CASE OF A PRICE REVISION CONTRACT</b>															
<b>9b. TYPED NAME OF RESPONSIBLE OFFICIAL</b> JOHN CHIAPPE Administrative Grant Officer		<b>9c. SIGNATURE</b> <div style="background-color: black; color: red; text-align: center; padding: 5px;">(b) (6)</div>													
		<b>9d. DATE</b> 10-Apr-2002													
FOR PURCHASING OFFICE USE ONLY															
<b>10a. ALL PURCHASING OFFICE ACTIONS REQUIRED HAVE BEEN FULLY AND SATISFACTORILY ACCOMPLISHED. AWARD FILE OF THIS OFFICE IS HEREBY CLOSED AS OF:</b>															
<div style="margin-bottom: 10px;"> <input type="checkbox"/> DATE SHOWN IN ITEM 9d ABOVE         </div> <div> <input type="checkbox"/> DATE SHOWN IN ITEM 10e BELOW. <small>(Check this box only if final completion of any significant purchasing office action extends more than three months beyond close-out date shown in item 9d. above. In such cases, submit a copy of the completed form upon final accomplishment of all purchasing office actions to the award administration office (Upon receipt, the award administration office shall extend its contract file close-out date accordingly.))</small> </div>															
<b>10b. REMARKS</b>															
<b>10c. TYPED NAME OF RESPONSIBLE OFFICIAL</b>		<b>10d. SIGNATURE</b>													
		<b>10e. DATE</b>													

		AWARD/ MODIFICATION		3a. ISSUED BY: OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO 536 S CLARK STREET ROOM 208 CHICAGO IL 60605-1588	
		1. INSTRUMENT TYPE: Grant		3b. CFDA: 12.300	
2. AUTHORITY: 10 USC 2358, 31 USC 6304		5. MODIFICATION NO.: A00004		3c. DUNS NUMBER:	
4. AWARD NO.: N00014-95-1-1302		6. MODIFICATION TYPE: Administrative		7. PR NO.: 02PR07507-00	
8. ACTIVITY/AGENCY PROPOSAL NO.: N/A		9. RECIPIENT PROPOSAL NO.: N/A		10. PROPOSAL DATE: N/A	
11. ACTIVITY TYPE: Research		12. PROGRAM TYPE: N/A		PAGE 1 of 5	
13. ISSUED TO 13a. ADDRESS:  PURDUE RESEARCH FOUNDATION DIVISION OF SPONSORED PROGRAMS HOVDE HALL THIRD FLOOR WEST LAFAYETTE, IN 47907		13b. CAGE: 4B877		13c. EDI/EFT NUMBER: 4301AO	
14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as block #13					
15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: Manufacturable Power Switching Devices					
16. FUNDING PREVIOUSLY OBLIGATED: \$10,450,000.00 OBLIGATED BY THIS ACTION: -\$411.19 TOTAL OBLIGATED ON AWARD: \$10,449,588.81 FUTURE FUNDING: \$ .00 GRANT TOTAL: \$10,449,588.81		ACTIVITY/AGENCY SHARE \$10,450,000.00 -\$411.19 \$10,449,588.81 \$ .00 \$10,449,588.81		RECIPIENT SHARE \$ .00 \$ .00 \$ .00 \$ .00	
TOTAL \$10,450,000.00 -\$411.19 \$10,449,588.81 \$ .00 \$10,449,588.81		TOTAL \$10,450,000.00 -\$411.19 \$10,449,588.81 \$ .00 \$10,449,588.81		17. CURRENT FUNDING PERIOD N/A THROUGH N/A	
18. PERIOD OF PERFORMANCE 29-SEP-1995 THROUGH 31-DEC-2000					
19. ACCOUNTING AND APPROPRIATION DATA: See attached Financial Accounting Data Sheet(s)					
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: (PI) James A. Cooper		21. TECHNICAL REPRESENTATIVE 21a. NAME: John C. Zolper		21b. CODE: ONR 312	
20b. TELEPHONE NUMBER: (765) 4943514		20c. EMAIL ADDRESS: cooperj@ecn.purdue.edu		21c. ADDRESS: OFFICE OF NAVAL RESEARCH BALLSTON CENTRE TOWER ONE 800 NORTH QUINCY STREET ARLINGTON VA 22217-5660	
22. AWARDING OFFICE CONTACT 22a. NAME: Yolanda Williams		22b. CODE: ONR 245		23a. ADMINISTRATIVE OFFICE: OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO 536 S CLARK STREET ROOM 208 CHICAGO IL 60605-1588 Fax: (312) 3532094	
22c. ADDRESS: OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO 536 S CLARK STREET ROOM 208 CHICAGO IL 60605-1588		22d. TELEPHONE NUMBER: (312) 8865423		22e. EMAIL ADDRESS: williaj@onr.navy.mil	
24. SUBMIT PAYMENT REQUEST TO: Same as block #23a		25a. PAYING OFFICE: DFAS CHARLESTON, SC		25b. CODE: N68892	
26a. PATENT OFFICE: OFFICE OF NAVAL RESEARCH ATTN: ONR 00CC BALLSTON CENTRE TOWER ONE 800 NORTH QUINCY STREET ARLINGTON VA 22217-5660		26b. CODE: N00014			

AWARD NO. N00014-95-1-1302		<b>AWARD/MODIFICATION</b>		MODIFICATION NO. A00004	PAGE 2 of 5
27. SPECIAL INSTRUCTIONS: See "Special Requirements" Attachment					
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @ <a href="http://www.onr.navy.mil/02/024/offices.htm">http://www.onr.navy.mil/02/024/offices.htm</a>					
Full Delegation					
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found at the specified URL.					
DOCUMENT		URL		CLAUSES	
30. OPTIONS					
OPTION NO.		AMOUNT		PERIOD	
(1)					
(2)					
(3)					
(4)					
31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".					
ADDRESSEE		REPORT TYPE		COPIES	
See block #21 (Frequency)		Final Technical Report w/ SF298 Performance/Technical Report (As Required) w/ SF298		1 1	
See block #23a		Report of Inventions and Subcontracts - DD 882 Final Technical Report - Transmittal letter only Performance/Technical Report (As Required) Final Financial Status Report - SF269A - If advances used		1 1 1 1	
See block #26a		Report of Inventions and Subcontracts - DD 882		1	
DEFENSE TECHNICAL INFORMATION CENTER 8725 JOHN J KINGMAN ROAD STE 0944 FORT BELVOIR VA 22060-6218		Final Technical Report w/ SF298 Performance/Technical Report (As Required) w/ SF298		1 1	
NAVAL RESEARCH LABORATORY ATTN: CODE 5227 4555 OVERLOOK AVENUE SW WASHINGTON DC 20375-5320		Final Technical Report w/ SF298 Performance/Technical Report (As Required) w/ SF298		1 1	
32. FOR THE RECIPIENT			33. FOR THE UNITED STATES OF AMERICA		
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN  N/A - SIGNATURE NOT REQUIRED ON THIS AWARD			33a. SIGNATURE OF AWARDING OFFICER  (b) (6)		
32b. NAME AND TITLE OF SIGNER		32c. DATE SIGNED		33b. NAME AND TITLE OF AWARD OFFICER John Chiappe	
				33c. DATE SIGNED 29-JAN-2002	

# FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL) N00014-95-1-1302			2. SPIIN (CRITICAL)		3. MOD (CRITICAL) A00004			4. PR NUMBER 02PR07507-00					PAGE 3 OF 5			
CLIN/SLIN	6. LINE OF ACCOUNTING												7. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN		
	A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE					
											PROJ UNIT	MCC	POLI & SUF			
	AF	9700400	WBBB	255	RA	369	0	068342	2D	000000	R1103	000	URIJ	- \$411.19	PR#02PR07507-00 FRC:URIJ	
														PAGE TOTAL	- \$411.19	
														GRAND TOTAL	- \$411.19	
PREPARED/AUTHORIZED BY:							COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE									
DATE:							BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED									

# FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL) N00014-95-1-1302		2. SPIIN (CRITICAL)		3. MOD (CRITICAL) A00004		4. PR NUMBER 02PR07507-00		PAGE 4 OF 5	
5. CLIN/SLIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION				8. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN	
		<p style="font-size: 1.2em;">This page is intentionally blank</p>							
PAGE TOTAL						\$ . 00			
GRAND TOTAL						\$ . 00			
PREPARED/AUTHORIZED BY:  DATE:						COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED DATE:			

AWARD NO. N00014-95-1-1302	<b>SPECIAL REQUIREMENTS</b>	MODIFICATION NO. A00004	PAGE 5 of 5
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The purpose of this modification is to deobligate \$411.19. No further funding will be provided under this award.

## GRANT MODIFICATION

### Granting Agency:

Department of the Navy  
Office of Naval Research  
Chicago Regional Office  
Federal Building, Room 208  
Attn: Betty L. Brown  
Chicago, IL 60605-1509

### Grant Information:

Grant No: N00014-95-1-1302  
Modification: A00003  
ACO Code: N62880  
S.O. Code: 342  
Cage Code: 4B877  
Disbursing Code: N68892  
P.I.: James Cooper

### Grant Recipient:

**PURDUE RESEARCH FOUNDATION**  
Division of Sponsored Programs  
Hovde Hill Third floor  
West Lafayette, IN 47907

### Funding Amount:

Increase/Decrease: \$ -0-

### Appropriation Data:

N/A

### Authority:

U.S.C. 2358, as amended; 31 U.S.C. 6304

**Modification Purpose:** The purpose of this modification is to extend the period of performance of Grant N00014-95-1-1302 at no additional cost to the Government.

**PERIOD** of the Grant Schedule is hereby revised as follows:

“**PERIOD:** The research work under this grant shall be conducted through 31 DEC 00. A final report will be prepared, submitted, reproduced and distributed by sixty (60) days thereafter, unless the grant is extended, in which case, the final report will be prepared in accordance with the terms of such extension.”


All terms and conditions remain unchanged.

For The Office of Naval Research

**(b) (6)**

JOHN A. CHIAPPE  
Administrative Grants Officer

Effective Date: 09 Aug 2000

			<h1 style="text-align: center;">AWARD/ MODIFICATION</h1>			3a. ISSUED BY: OFFICE OF NAVAL RESEARCH BALLSTON CENTRE TOWER ONE 800 NORTH QUINCY STREET ARLINGTON VA 22217-5660								
						3b. CFDA: 12.300								
4. AWARD NO.: N00014-95-1-1302			5. MODIFICATION NO.: P00007			6. MODIFICATION TYPE: Administrative			7. PR NO.: 00PR03080-01			PAGE 1 of 5		
8. ACTIVITY/AGENCY PROPOSAL NO.: N/A			9. RECIPIENT PROPOSAL NO.: N/A			10. PROPOSAL DATE: N/A			11. ACTIVITY TYPE: Research			12. PROGRAM TYPE: N/A		
13. ISSUED TO 13a. ADDRESS:  PURDUE RESEARCH FOUNDATION DIVISION OF SPONSORED PROGRAMS HOVDE HALL THIRD FLOOR WEST LAFAYETTE, IN 47907		13b. CAGE: 4B877		13c. EDI/EFT NUMBER: 4301AO		14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as block #13								
13d. BUSINESS OFFICE CONTACT:														
13e. TELEPHONE NUMBER:		13f. EMAIL ADDRESS:												
15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: Manufacturable Power Switching Devices														
16. FUNDING		ACTIVITY/AGENCY SHARE		RECIPIENT SHARE		TOTAL		17. CURRENT FUNDING PERIOD						
PREVIOUSLY OBLIGATED:		\$10,450,000.00		\$ .00		\$10,450,000.00		N/A THROUGH N/A						
OBLIGATED BY THIS ACTION:		\$ .00		\$ .00		\$ .00		18. PERIOD OF PERFORMANCE 29-SEP-1995 THROUGH 31-DEC-2000						
TOTAL OBLIGATED ON AWARD:		\$10,450,000.00		\$ .00		\$10,450,000.00								
FUTURE FUNDING:		\$ .00		\$ .00		\$ .00								
GRANT TOTAL:		\$10,450,000.00		\$ .00		\$10,450,000.00								
19. ACCOUNTING AND APPROPRIATION DATA:														
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: (PI) James A. Cooper						21. TECHNICAL REPRESENTATIVE 21a. NAME: John C. Zolper				21b. CODE: ONR 312				
						21c. ADDRESS: OFFICE OF NAVAL RESEARCH BALLSTON CENTRE TOWER ONE 800 NORTH QUINCY STREET ARLINGTON VA 22217-5660								
20b. TELEPHONE NUMBER: (765) 4943514		20c. EMAIL ADDRESS: cooperj@secn.purdue.edu				21d. TELEPHONE NUMBER: (703) 6961437				21e. EMAIL ADDRESS: zolperj@onr.navy.mil				
22. AWARING OFFICE CONTACT 22a. NAME: Carol A. Porter						22b. CODE: ONR 251				23a. ADMINISTRATIVE OFFICE: OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO 536 S CLARK STREET ROOM 208 CHICAGO IL 60605-1588 Fax: (312) 3532094				
22c. ADDRESS: OFFICE OF NAVAL RESEARCH BALLSTON CENTRE TOWER ONE 800 NORTH QUINCY STREET ARLINGTON VA 22217-5660										23b. CODE: N62880				
22d. TELEPHONE NUMBER: (703) 6962587		22e. EMAIL ADDRESS: porterca@onr.navy.mil												
24. SUBMIT PAYMENT REQUEST TO: Same as block #23a						25a. PAYING OFFICE: DFAS CHARLESTON, SC				25b. CODE: N68892				
										26a. PATENT OFFICE:				
										26b. CODE:				



AWARD NO. N00014-95-1-1302		<b>AWARD/MODIFICATION</b>		MODIFICATION NO. P00007	PAGE 2 of 5
27. SPECIAL INSTRUCTIONS: See "Special Requirements" Attachment					
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: <a href="http://www.onr.navy.mil/02/024/offices.htm">http://www.onr.navy.mil/02/024/offices.htm</a>					
Full Delegation					
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found at the specified URL.					
DOCUMENT		URL		CLAUSES	
30. OPTIONS					
OPTION NO.		AMOUNT		PERIOD	
(1)					
(2)					
(3)					
(4)					
31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".					
ADDRESSEE		REPORT TYPE		COPIES	
32. FOR THE RECIPIENT:			33. FOR THE UNITED STATES OF AMERICA		
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN  N/A - SIGNATURE NOT REQUIRED ON THIS AWARD			33a. SIGNATURE OF AWARDOFFICER  (b) (6)		
32b. NAME AND TITLE OF SIGNER		32c. DATE SIGNED		33b. NAME AND TITLE OF AWARD OFFICER Lambert C. McCullough	
				33c. DATE SIGNED 27-JUL-2000	

# FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL) N00014-95-1-1302		2. SPIN (CRITICAL)		3. MOD (CRITICAL) P00007			4. PR NUMBER 00PR03080-01					PAGE 3 OF 5			
CLIN/SLIN	6. LINE OF ACCOUNTING											7. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN		
	A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE				
											PROJ UNIT			MCC	PDLI & SUF
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											PAGE TOTAL	\$ . 00			
											GRAND TOTAL	\$ . 00			
PREPARED/AUTHORIZED BY:						COMPTROLLER APPROVAL:									
DATE:						FOR FISCAL DATA AND SIGNATURE									
						BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED									

# FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL) N00014-95-1-1302		2. SPIIN (CRITICAL)		3. MOD (CRITICAL) P00007		4. PR NUMBER 00PR03080-01		PAGE 4 OF 5	
5. CLIN/SLIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION				8. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN	
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PAGE TOTAL						\$ . 00			
GRAND TOTAL						\$ . 00			
PREPARED/AUTHORIZED BY:						COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED DATE: _____			
DATE:									


AWARD NO.  
N00014-95-1-1302

## SPECIAL REQUIREMENTS

MODIFICATION NO.  
P00007

PAGE  
5 of 5

The purpose of this PR is to provide a no cost extension for grant N000149511302 through 31 Dec 2000.

		AWARD/ MODIFICATION		3a. ISSUED BY: OFFICE OF NAVAL RESEARCH BALLSTON CENTRE TOWER ONE 800 NORTH QUINCY STREET ARLINGTON VA 22217-5660																												
		1. INSTRUMENT TYPE: Grant		3b. CFDA: 12.300																												
4. AWARD NO.: N00014-95-1-1302		2. AUTHORITY: 10 USC 2358, 31 USC 6304		3c. DUNS NUMBER: 008963233																												
		5. MODIFICATION NO.: P00006		6. MODIFICATION TYPE: Increment		7. PR NO.: 00PR03080-00																										
8. ACTIVITY/AGENCY PROPOSAL NO.: N/A		9. RECIPIENT PROPOSAL NO.: N/A		10. PROPOSAL DATE: Undated	11. ACTIVITY TYPE: Research																											
13. ISSUED TO 13a. ADDRESS:  PURDUE RESEARCH FOUNDATION DIVISION OF SPONSORED PROGRAMS HOVDE HALL THIRD FLOOR WEST LAFAYETTE, IN 47907		13b. CAGE: 4B877		13c. EDI/EFT NUMBER: 4301AO																												
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<table border="1" style="width: 100%; border-collapse: collapse; font-size: 10pt;"> <thead> <tr> <th style="width: 20%;">16. FUNDING</th> <th style="width: 20%;">ACTIVITY/AGENCY SHARE</th> <th style="width: 20%;">RECIPIENT SHARE</th> <th style="width: 20%;">TOTAL</th> <th style="width: 20%;">17. CURRENT FUNDING PERIOD</th> </tr> </thead> <tbody> <tr> <td>PREVIOUSLY OBLIGATED:</td> <td style="text-align: right;">\$8,697,000.00</td> <td style="text-align: right;">\$ .00</td> <td style="text-align: right;">\$8,697,000.00</td> <td rowspan="2" style="text-align: center; vertical-align: middle;">           N/A THROUGH N/A         </td> </tr> <tr> <td>OBLIGATED BY THIS ACTION:</td> <td style="text-align: right;">\$1,753,000.00</td> <td style="text-align: right;">\$ .00</td> <td style="text-align: right;">\$1,753,000.00</td> </tr> <tr> <td>TOTAL OBLIGATED ON AWARD:</td> <td style="text-align: right;">\$10,450,000.00</td> <td style="text-align: right;">\$ .00</td> <td style="text-align: right;">\$10,450,000.00</td> <td rowspan="3" style="text-align: center; vertical-align: middle;">           18. PERIOD OF PERFORMANCE            29-SEP-1995 THROUGH 28-SEP-2000         </td> </tr> <tr> <td>FUTURE FUNDING:</td> <td style="text-align: right;">\$ .00</td> <td style="text-align: right;">\$ .00</td> <td style="text-align: right;">\$ .00</td> </tr> <tr> <td>GRANT TOTAL:</td> <td style="text-align: right;">\$10,450,000.00</td> <td style="text-align: right;">\$ .00</td> <td style="text-align: right;">\$10,450,000.00</td> </tr> </tbody> </table>						16. FUNDING	ACTIVITY/AGENCY SHARE	RECIPIENT SHARE	TOTAL	17. CURRENT FUNDING PERIOD	PREVIOUSLY OBLIGATED:	\$8,697,000.00	\$ .00	\$8,697,000.00	N/A THROUGH N/A	OBLIGATED BY THIS ACTION:	\$1,753,000.00	\$ .00	\$1,753,000.00	TOTAL OBLIGATED ON AWARD:	\$10,450,000.00	\$ .00	\$10,450,000.00	18. PERIOD OF PERFORMANCE 29-SEP-1995 THROUGH 28-SEP-2000	FUTURE FUNDING:	\$ .00	\$ .00	\$ .00	GRANT TOTAL:	\$10,450,000.00	\$ .00	\$10,450,000.00
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GRANT TOTAL:	\$10,450,000.00	\$ .00	\$10,450,000.00																													
19. ACCOUNTING AND APPROPRIATION DATA: See attached Financial Accounting Data Sheet(s)																																
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: (PI) James A. Cooper		21. TECHNICAL REPRESENTATIVE 21a. NAME: John C. Zolper		21b. CODE: ONR 312																												
20b. TELEPHONE NUMBER: (765) 4943514		20c. EMAIL ADDRESS: cooperj@ecn.purdue.edu		21c. ADDRESS: OFFICE OF NAVAL RESEARCH BALLSTON CENTRE TOWER ONE 800 NORTH QUINCY STREET ARLINGTON VA 22217-5660																												
				21d. TELEPHONE NUMBER: (703) 6961437		21e. EMAIL ADDRESS: zolperj@onr.navy.mil																										
22. AWARDOFFICE CONTACT 22a. NAME: Carol A. Porter		22b. CODE: ONR 251		23a. ADMINISTRATIVE OFFICE:  OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO 536 S CLARK STREET ROOM 208 CHICAGO IL 60605-1588 Fax: (312) 3532094, Email: fryet@onr.navy.mil																												
22c. ADDRESS: OFFICE OF NAVAL RESEARCH BALLSTON CENTRE TOWER ONE 800 NORTH QUINCY STREET ARLINGTON VA 22217-5660		23b. CODE: N62880																														
22d. TELEPHONE NUMBER: (703) 6962587						22e. EMAIL ADDRESS: porterc@onr.navy.mil																										
24. SUBMIT PAYMENT REQUEST TO: Same as block #23a		25a. PAYING OFFICE: DFAS CHARLESTON, SC		25b. CODE: N68892																												
				26a. PATENT OFFICE:																												
				26b. CODE:																												

AWARD NO. N00014-95-1-1302		<b>AWARD/MODIFICATION</b>		MODIFICATION NO. P00006	PAGE 2 of 5
27. SPECIAL INSTRUCTIONS: See "Special Requirements" Attachment					
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @ <a href="http://www.onr.navy.mil/02/024/offices.htm">http://www.onr.navy.mil/02/024/offices.htm</a>					
Full Delegation					
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found at the specified URL.					
DOCUMENT	URL				CLAUSES
30. OPTIONS	OPTION NO.	AMOUNT	PERIOD		
(1)					
(2)					
(3)					
(4)					
31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".					
ADDRESSEE	REPORT TYPE			COPIES	
32. FOR THE RECIPIENT			33. FOR THE UNITED STATES OF AMERICA		
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN			33a. SIGNATURE OF AWARDOFFICER		
			(b) (6)		
32b. NAME AND TITLE OF SIGNER		32c. DATE SIGNED	33b. NAME AND TITLE OF AWARDOFFICER		33c. DATE SIGNED
			Lambert C. McCullough		16-NOV-1999

## FINANCIAL ACCOUNTING DATA SHEET - NAVY

FINANCIAL ACCOUNTING DATA SHEET - NAVY														PAGE 3 OF 5		
1. CONTRACT NUMBER (CRITICAL)		2. SPIIN (CRITICAL)		3. MOD (CRITICAL)		4. PR NUMBER										
N00014-95-1-1302				P00006		00PR03080-00										
CLIN/SLIN	6. LINE OF ACCOUNTING											7. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN			
	A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE					
											PROJ UNIT			MCC	PDLI & SUF	
	AF	9700400	WBBB	255	RA	369	0	068342	2D	000000	R1103	000	URIJ	\$1,753,000.00	PR#00PR03080-00 FRC:URIJ	
														PAGE TOTAL	\$1,753,000.00	
														GRAND TOTAL	\$1,753,000.00	

PREPARED/AUTHORIZED BY:

DATE:

COMPTROLLER APPROVAL:

FOR FISCAL DATA AND SIGNATURE

BY \_\_\_\_\_

DATE: \_\_\_\_\_

for COMPTROLLER, ONR CONTRACT REVIEWED

# FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL) N00014-95-1-1302		2. SPIIN (CRITICAL)		3. MOD (CRITICAL) P00006		4. PR NUMBER 00PR03080-00		PAGE 4 OF 5	
5. CLIN/SLIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION				8. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN	
		This page is intentionally blank							
PAGE TOTAL						\$.00			
GRAND TOTAL						\$.00			
PREPARED/AUTHORIZED BY:  DATE:					COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED DATE: _____				



AWARD NO.  
N00014-95-1-1302

## SPECIAL REQUIREMENTS

MODIFICATION NO.  
P00006

PAGE  
5 of 5

This modification is to provide final increment of funds.



**Office of Naval Research, Chicago Region**  
**536 South Clark Street**  
**Room 208**  
**Chicago, IL 60605-1588**  
**Phone: (312) 886-5423**  
**Fax: (312) 353-2094**  
**ACO Code: N62880**

**AWARD MODIFICATION**

**Award Number: N00014-95-1-1302**

**Modification Number: A00002**

**Title: MANUFACTURABLE POWER SWITCHING DEVICES**

**Award Recipient: PURDUE RESEARCH FOUNDATION**  
**HOVDE HALL THIRD FLOOR**

**WEST LAFAYETTE IN 47907**

**Authority: 10 U.S.C. 2358, as amended; 31 U.S.C. 6304**

**This award modification eliminates the requirement for prior approvals for foreign travel.**

**All other conditions and terms remain unchanged.**

**For the Office of Naval Research:**

**/SIGNED/**

**David J. Wyner**  
**Administrative Contracting Officer**

**Effective Date: 10/1/98**

Office of Naval Research  
ONR 251:Elizabeth L. Ford (703) 696-2576  
Ballston Centre Tower One  
800 North Quincy Street  
Arlington, VA 22217-5660

GRANT NO:	N00014-95-1-1302
MOD NUMBER:	P00005
PR NUMBER:	99PR03240-00
P.O. CODE:	312
DISBURSING CODE:	N68892
AGO CODE:	N62880
CAGE CODE:	4B877
PI:	James A. Cooper

CFDA No: 12.300

## RESEARCH GRANT

**GRANTEE:** DFAS OLC EDI/EFT VENDOR NUMBER 4301AO  
PURDUE RESEARCH FOUNDATION  
DIVISION OF SPONSORED PROGRAMS  
HOVDE HALL THIRD FLOOR  
WEST LAFAYETTE, IN 47907

**EDI/EFT**

**APPROPRIATION:** See attached *Financial Accounting Data Sheet(s)*.

**TOTAL AMOUNT OF GRANT:** \$10,450,000.00

**AUTHORITY:** 10 U.S.C. 2358 as amended, and 31 U.S.C. 6304.

## GRANT SCHEDULE

**GRANT PURPOSE:** The purpose of this modification is to provide an increment of funding under Grant N00014-95-1-1302.

Effective as of the date of this modification:

The funds available under this Grant are increased by the amounts shown on the attached *Financial Accounting Data Sheet(s)*.

The paragraph entitled "INCREMENTALLY FUNDED GRANTS" is revised as follows:

**"INCREMENTALLY FUNDED GRANTS:** This Grant is incrementally funded. The total amount of this Grant is \$10,450,000.00. The amount currently available for payment is \$8,697,000.00. The Government's obligation for the difference of \$1,753,000.00, is contingent upon the availability of funds. Accordingly, no legal liability on the part of the Government for payment of this difference shall exist unless and until funds are made available to the Grantee by an amendment to the Grant."

All other terms and conditions of this Grant remain unchanged.

UNITED STATES OF AMERICA

Office of Naval Research

BY

(b) (6)

Grants Officer

Elizabeth Ford  
Grants Officer

DATE

DEC 1 1998

GRANT NUMBER: N00014-95-1-1302/P00005

# FINANCIAL ACCOUNTING DATA SHEET - NAVY

1.CONTRACT NUMBER (CRITICAL) N000149511302			2.SPIIN (CRITICAL)		3.MOD (CRITICAL) P00005			4.PR NUMBER 99PR03240-00					PAGE 1 OF 1			
CLIN/SLIN	6.LINE OF ACCOUNTING												7. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN	
	A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE					
											PROJ UNIT	MCC				PDLI & SUF
	AE	9790400	WBBB	000	RA	353	0	068342	2D	000000	R1103	000	URIJ	2,090,000.00		PR#99PR03240-00 FRC:URIJ
PAGE TOTAL														\$2,090,000.00		
GRAND TOTAL														\$2,090,000.00		
PREPARED/AUTHORIZED BY:										COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE						
DATE:										BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED DATE:						

Office of Naval Research  
ONR 251:Elizabeth L. Ford (703) 696-2576  
Ballston Centre Tower One  
800 North Quincy Street  
Arlington, VA 22217-5660

GRANT NO:	N00014-95-1-1302
MOD NUMBER:	P00004
PR NUMBER:	98PR02984-01
P.O. CODE:	312
DISBURSING CODE:	N68892
AGO CODE:	N62880
CAGE CODE:	4B877
PI:	James A. Cooper

CFDA No: 12.300

## RESEARCH GRANT

**GRANTEE:** DFAS OLC EDI/EFT VENDOR NUMBER 4301AO  
PURDUE RESEARCH FOUNDATION  
DIVISION OF SPONSORED PROGRAMS  
HOVDE HALL THIRD FLOOR  
WEST LAFAYETTE, IN 47907

**EDI/EFT**

**APPROPRIATION:** See attached *Financial Accounting Data Sheet(s)*.

**TOTAL AMOUNT OF GRANT:** \$10,450,000.00

**AUTHORITY:** 10 USC 2358 as amended, and 31 USC 6304

## GRANT SCHEDULE

**GRANT PURPOSE:** The purpose of this modification is to exercise an option and provide an increment of funding under Grant N00014-95-1-1302.

Effective as of the date of this modification:

The funds available under this Grant are increased by the amount set forth on the attached *Financial Accounting Data Sheet(s)*.

The total amount of this Grant is revised to read \$10,450,000.00

The period of this grant is revised to read: 29 SEP 95 to 28 SEP 00.

The paragraph entitled "INCREMENTALLY FUNDED GRANTS" is revised or reinstated as follows:

**"INCREMENTALLY FUNDED GRANTS:** This Grant is incrementally funded. The total amount of this Grant is \$10,450,000.00. The amount currently available for payment is \$6,607,000.00, which amount covers the period 29 SEP 95 through 29 NOV 98. The Government's obligation for the difference of \$3,843,000.00, is contingent upon the availability of funds. Accordingly, no legal liability on the part of the Government for payment of this difference shall exist unless and until funds are made available to the Grantee by an amendment to the Grant."

All other terms and conditions of this grant remain unchanged.

UNITED STATES OF AMERICA

Office of Naval Research

BY

(b) (6)

Grants Officer

LAMBERT C. McCULLOUGH  
Grants Officer

DATE

1-8-98

# FINANCIAL ACCOUNTING DATA SHEET - NAVY

1.CONTRACT NUMBER (CRITICAL) N000149511302		2.SPIIN (CRITICAL)		3.MOD (CRITICAL) P00004		4.PR NUMBER 98PR02984-01							PAGE 1 OF 1			
CLIN/SLIN	6.LINE OF ACCOUNTING												7. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN	
	A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE					
											PROJ UNIT	MCC				PDLI & SUF
	AD	9780400	WBBB	000	RA	353	0	068342	2D	000000	R1103	000	URIJ	337,000.00		PR#98PR02984-01 FRC:URIJ
PAGE TOTAL														\$337,000.00		
GRAND TOTAL														\$337,000.00		
PREPARED/AUTHORIZED BY:										COMPTROLLER APPROVAL:						
DATE:										DATE:						



Office of Naval Research  
ONR 245:Dildree Ivery (312) 886-5423  
Ballston Centre Tower One  
800 North Quincy Street  
Arlington, VA 22217-5660

GRANT NO:	N00014-95-1-1302
MOD NUMBER:	P00003
PR NUMBER:	98PR02984-00
P.O. CODE:	312
DISBURSING CODE:	N68892
AGO CODE:	N62880
CAGE CODE:	4B877
PI:	James A. Cooper

CFDA No: 12.300

## RESEARCH GRANT

**GRANTEE:** DFAS OLC EDI/EFT VENDOR NUMBER 4301AO  
PURDUE RESEARCH FOUNDATION  
DIVISION OF SPONSORED PROGRAMS  
HOVDE HALL THIRD FLOOR  
WEST LAFAYETTE, IN 47907

**EDI/EFT**

**APPROPRIATION:** See attached *Financial Accounting Data Sheet(s)*.

**TOTAL AMOUNT OF GRANT:** \$6,270,000.00

**AUTHORITY:** 10 U.S.C. 2358 as amended, and 31 U.S.C. 6304.

## GRANT SCHEDULE

**GRANT PURPOSE:** The purpose of this modification is to provide the final increment of funding under Grant N00014-95-1-1302.

Effective as of the date of this modification:

The funds available under this Grant are increased by the amounts shown on the attached *Financial Accounting Data Sheet(s)*.

Paragraph entitled "INCREMENTALLY FUNDED GRANTS" is deleted in its entirety.

All other terms and conditions of this Grant remain unchanged.

UNITED STATES OF AMERICA

Office of Naval Research

BY

(b) (6)

Grants Officer

DATE

05 JAN 98

Helen Paul  
Grants Officer

GRANT NUMBER: N00014-95-1-1302/P00003

# FINANCIAL ACCOUNTING DATA SHEET - NAVY

1.CONTRACT NUMBER (CRITICAL) N000149511302		2.SPIIN (CRITICAL)		3.MOD (CRITICAL) P00003		4.PR NUMBER 98PR02984-00		PAGE 1 OF 1							
CLIN/SLIN	6.LINE OF ACCOUNTING												7. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN	
	A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE				
										PROJ UNIT	MCC	PDLI & SUF			
	AD	9780400	WBBB	000	RA	353	0	068342	2D	000000	R1103	000	URIJ	1,734,667.00	PR#98PR02984-00 FRC:URIJ
<div>PAGE TOTAL</div> <div>GRAND TOTAL</div>														<div>\$1,734,667.00</div> <div>\$1,734,667.00</div>	
PREPARED/AUTHORIZED BY:										COMPTROLLER APPROVAL:					
DATE:										DATE:					

Office of Naval Research  
ONR 245:Francisca C. Ramos (312) 886-5423  
Ballston Centre Tower One  
800 North Quincy Street  
Arlington, VA 22217-5660

GRANT NO: N00014-95-1-1302  
MOD NUMBER: P00002  
PR NUMBER: 97PR03362-00  
P.O. CODE: 312  
DISBURSING CODE: N68892  
AGO CODE: N62880  
CAGE CODE: 4B877  
PI: James A. Cooper

CFDA No: 12.300

## DOMESTIC RESEARCH GRANT

GRANTEE: NRFCWASH EDI/EFT VENDOR NUMBER 4301AO  
PURDUE RESEARCH FOUNDATION  
DIVISION OF SPONSORED PROGRAMS  
HOVDE HALL THIRD FLOOR  
WEST LAFAYETTE, IN 47907

**EDI/EFT**

APPROPRIATION: See attached *Financial Accounting Data Sheet(s)*.

TOTAL AMOUNT OF GRANT: \$6,270,000.00

AUTHORITY: 10 U.S.C. 2358 as amended, and 31 U.S.C. 6304.

## GRANT SCHEDULE

GRANT PURPOSE: The purpose of this modification is to provide an increment of funding under Grant N00014-95-1-1302.

Effective as of the date of this modification:

The funds available under this Grant are increased by the amounts shown on the attached *Financial Accounting Data Sheet(s)*.

The paragraph entitled "INCREMENTALLY FUNDED GRANTS" is revised as follows:

**"INCREMENTALLY FUNDED GRANTS:** This Grant is incrementally funded. The total amount of this Grant is \$6,270,000.00. The amount currently available for payment is \$4,535,833.00, which amount covers the period 29 SEP 95 through 31 OCT 97. The Government's obligation for the difference of \$1,734,667.00, is contingent upon the availability of funds. Accordingly, no legal liability on the part of the Government for payment of this difference shall exist unless and until funds are made available to the Grantee by an amendment to the Grant."

If a payment schedule was previously included in this grant, it is hereby deleted in its entirety. If there is a desire to continue advanced payments and a payment schedule, the grantee must contact the Administrative Grants Officer to negotiate such provisions into this grant under OMB Circular A-110. Where the payment schedule was already deleted under a previous modification or where the grantee has already negotiated a payment schedule with the Administrative Grants Officer, this paragraph does not apply.

All other terms and conditions of this Grant remain unchanged.

UNITED STATES OF AMERICA

Office of Naval Research

BY

(b) (6)

Grants Officer

Elizabeth Ford  
Grants Officer

DATE

DEC 6 1996

GRANT NUMBER: N00014-95-1-1302/P00002

# FINANCIAL ACCOUNTING DATA SHEET - NAVY

1.CONTRACT NUMBER (CRITICAL) N000149511302		2.SPIIN (CRITICAL)		3.MOD P00002		4.PR NUMBER 97PR03362-00		PAGE 1 OF 1							
CLIN/SLIN	6.LINE OF ACCOUNTING												7. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN	
	A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE				
										PROJ UNIT	MCC	PDLI & SUF			
	AC	9770400	WBBB	000	RA	353	0	068342	2D	000000	R1103	000	URIJ	1,393,333.00	PR#97PR03362-00 FRC:URIJ
PAGE TOTAL														\$1,393,333.00	
GRAND TOTAL														\$1,393,333.00	
PREPARED/AUTHORIZED BY:										COMPTROLLER APPROVAL:					
DATE:										CONTRACT REVIEWED FOR FISCAL DATA AND SIGNATURE BY (b) (6) for COMPTROLLER, ONR					
DATE:										DATE:					

Office of Naval Research  
ONR 252:Julia M. Gallmon (703) 696-2609  
Ballston Centre Tower One  
800 North Quincy Street  
Arlington, VA 22217-5660

CFDA No: 12.300

GRANT NO:	N00014-95-1-1302
MOD NUMBER:	P00001
PR NUMBER:	96PR05125-00
P.O. CODE:	312
DISBURSING CODE:	N00179
AGO CODE:	N62880
CAGE CODE:	4B877
PI:	James A. Cooper

## DOMESTIC RESEARCH GRANT

**GRANTEE:** PURDUE RESEARCH FOUNDATION  
DIVISION OF SPONSORED PROGRAMS  
HOVDE HALL THIRD FLOOR  
WEST LAFAYETTE, IN 47907

**APPROPRIATION:** See attached *Financial Accounting Data Sheet(s)*.

**TOTAL AMOUNT OF GRANT:** \$6,270,000.00

**AUTHORITY:** 10 U.S.C. 2358 as amended, and 31 U.S.C. 6304.

## GRANT SCHEDULE

**GRANT PURPOSE:** The purpose of this modification is to provide an increment of funding under Grant N00014-95-1-1302.

Effective as of the date of this modification:

The funds available under this Grant are increased by the amounts shown on the attached *Financial Accounting Data Sheet(s)*.

The paragraph entitled "INCREMENTALLY FUNDED GRANTS" is revised as follows:

**"INCREMENTALLY FUNDED GRANTS:** This Grant is incrementally funded. The total amount of this Grant is \$6,270,000.00. The amount currently available for payment is \$3,142,000.00, which amount covers the period 29 SEP 95 through 31 OCT 96. The Government's obligation for the difference of \$3,128,000.00, is contingent upon the availability of funds. Accordingly, no legal liability on the part of the Government for payment of this difference shall exist unless and until funds are made available to the Grantee by an amendment to the Grant."

If a payment schedule was previously included in this grant, it is hereby deleted in its entirety. If there is a desire to continue advanced payments and a payment schedule, the grantee must contact the Administrative Grants Officer to negotiate such provisions into this grant under OMB Circular A-110. Where the payment schedule was already deleted under a previous modification or where the grantee has already negotiated a payment schedule with the Administrative Grants Officer, this paragraph does not apply.

All other terms and conditions of this Grant remain unchanged.

UNITED STATES OF AMERICA

Office of Naval Research

BY

(b) (6)

Grants Officer

LAMBERT C. McCULLOUGH  
Grants Officer

DATE

3/13/96

GRANT NUMBER: N00014-95-1-1302



# FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL) N000149511302		2. SPIIN (CRITICAL)		3. MOD P00001		4. PR NUMBER 96PR05125-00		PAGE 1 OF 1							
CLIN/SLIN	6. LINE OF ACCOUNTING												7. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN	
	A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE				
	PROJ UNIT		MCC	PDLI & SUF											
Sub. Date:	AB 06 MAR 96	9760400 PR#96PR05125-00	WBBB FRC: URIJ	000	RA	353	0	068342	2D	000000	R1103	000	URIJ	1,742,000.00	
PAGE TOTAL														\$1,742,000.00	
GRAND TOTAL														\$1,742,000.00	
PREPARED/AUTHORIZED BY:										COMPTROLLER APPROVAL:					
DATE:										CONTRACT REVIEWED FOR FISCAL DATA AND SIGNATURE BY (b) (6) for COMPTROLLER, ONR					
										DATE: 3/20/96					

OFFICE OF NAVAL RESEARCH  
ONR 251:C. COLEMAN (703)696-4516  
BALLSTON TOWER ONE  
800 NORTH QUINCY STREET  
ARLINGTON VA 22217-5660  
CFDA NO.: 12.300

GRANT NO: N00014-95-1-1302  
R&T PROJECT: 1213017--01

ONR PM/PO: 312  
DISBURSING CODE: N00179  
AGO CODE: N62880  
CAGE CODE: 4B877  
P.I.: James A. Cooper

RESEARCH GRANT

GRANTEE: PURDUE RESEARCH FOUNDATION  
DIVISION OF SPONSORED PROGRAMS  
HOVDE HALL THIRD FLOOR  
WEST LAFAYETTE, IN 47907

APPROPRIATION:

AA 9750400.WBBB 025 RA359 0 068342 2D 61103D R1103 0009120 \$1,400,000.00  
ERC: uri j

R&T Project Code: 1213017--01, Dated: 26 JUL 1995

CONTRACT REVIEWED FOR FISCAL DATA AND  
SIGNATURE BY (b) (6) 9/21/95

TOTAL AMOUNT OF GRANT: \$6,270,000.00 for COMPTROLLER, ONR

AUTHORITY: 10 U.S.C. 2358 as amended, and 31 U.S.C. 6304.

GRANT SCHEDULE

1. GRANT PURPOSE: The purpose of this Grant is to support research in accordance with Grantee's proposal dated 08 MAR 1995, revised 10 JUL 1995, entitled "Manufacturable Power Switching Devices," which is incorporated herein by reference.
2. PERIOD: The Grant is for the period 29 SEP 1995 through 28 SEP 1998.
3. TERMS AND CONDITIONS: This Grant is subject to the Office of Naval Research General Terms and Conditions for Educational Institutions, Non-profit Organizations, and State and Local Government dated July 1995 which are incorporated herein by reference and listed by title in Exhibit A and to any special terms and conditions contained in this Grant schedule.
4. PRINCIPAL INVESTIGATOR: The Principal Investigator, Professor James A. Cooper, shall be continuously responsible for the research project.

5. PROGRAM MANAGER/OFFICER: The Program Manager/Officer representing the United States Government is Alvin M. Goodman, ONR 312, OFFICE OF NAVAL RESEARCH, BALLSTON TOWER ONE, 800 NORTH QUINCY STREET, ARLINGTON, VIRGINIA 22217-5660. (703) 696-4218

6. ADMINISTRATIVE GRANTS OFFICER: The Administrative Grants Officer for this Grant is:

OFFICE OF NAVAL RESEARCH  
REGIONAL OFFICE CHICAGO  
536 S CLARK STREET ROOM 208  
CHICAGO IL 60605-1588

7. PAYMENTS: Upon acceptance of the terms and conditions of this grant, the Grantee may submit requests for reimbursement using an original Standard Form 270 (SF 270), plus two copies, to the Administrative Grants Officer (AGO). Requests for payment may not exceed the amount obligated to this grant.

If advance payments are desired, the grantee may submit SF-270 in accordance with OMB Circular A-110. Section 11 of the SF-270 must be completed in its entirety. At the discretion of the AGO, a payment schedule may be required of the grantee.

8. REPORTS AND REPORT DISTRIBUTION: Reports shall be furnished as specified in Attachment Number 1 entitled, "Reports and Report Distribution," of this Grant. The Grantee shall include a complete "Report Documentation Page" (SF 298) as the last page of each copy of every scientific and technical report prepared under this Grant. The form contains instructions for preparation. The cognizant Grant Administrator will provide assistance to the Grantee in obtaining the required form. Administrative type reports, managerial (status) reports, and reprints submitted as technical reports are excluded from this requirement.

9. INCREMENTALLY FUNDED GRANTS: This Grant is incrementally funded. The total amount of this Grant is \$6,270,000.00. The amount currently available for payment is \$1,400,000.00, which amount covers the period 29 SEP 1995 through 30 APR 1996. The Government's obligation for the difference of \$4,870,000.00, is contingent upon the availability of funds. Accordingly, no legal liability on the part of the Government for payment of this difference shall exist unless and until funds are made available to the Grantee by an amendment to the Grant.

10. The following clause is incorporated in full text and is applicable to grants and cooperative agreements with institutions of higher learning.

DoDGARS 23.1 MILITARY RECRUITING ON CAMPUS (Interim Rule, 60 FR 4544-45, 24 January 1995.)

As a condition for receipt of funds available to the Department of Defense (DoD) under this award, the recipient agrees that it is not an institution that has a policy of denying, and that it is not an institution that effectively prevents, the Secretary of Defense from obtaining for military recruiting purposes: (A) entry to campuses or access to students on campuses; or (B) access to directory information pertaining to students. If the recipient is determined, using procedures

established by the Secretary of Defense to implement Section 558 of Public Law 103-337 (1994), to be such an institution during the period of performance of this agreement, and therefore to be in breach of this clause, the Government will cease all payments of DoD funds under this agreement and all other DoD grants and cooperative agreements, and it may suspend or terminate such grants and agreements unilaterally for material failure to comply with the terms and conditions of award. (End of clause)

#### 11. GRANTEE ACQUISITION OF GOODS OR SERVICES:

In accordance with Section 621 of Public Law 103-123, no amount of funding provided by this Grant may be used by the Grantee to finance the acquisition of goods or services (including construction services) unless, in any solicitation issued by the Grantee to procure such goods and/or services with a value of at least \$500,000, the Grantee: (1) announces the amount of federal funds that will be used to finance the acquisition for which offers are being solicited; and (2) also expresses the amount of federal funding as a percentage of the total cost of the planned acquisition.

12. OPTION TO RENEW: The Government may require the continuation of the research as detailed in the Grant Purpose section herein for the period 29 SEP 1998 through 28 SEP 2000 under Option 1. The Grants Officer may exercise the option and/or options by written notice to the Grantee. This notice shall be given no later than sixty (60) days prior to completion of the performance period of the Grant. The total negotiated amounts of Option 1 is \$4,180,000.00.

#### 13. UNEXPENDED FUNDS AND EARNED INTEREST:

a. At the end of the grant period, any unexpended balances of funds provided by the grant shall be remitted to the address given in the above paragraph titled "Administrative Grants Officer," by check made payable to the "Office of Naval Research."

b. Any interest earned by grant funds on deposit shall be remitted annually to the Department of Health and Human Services, Payment Management System, P. O. Box 6021, Rockville, MD 20852 U.S.A., by check payable to "Department of Health and Human Services."

UNITED STATES OF AMERICA  
OFFICE OF NAVAL RESEARCH  
by

(b) (6)

LAMBERT C. McCULLOUGH

Date

9/21/95

ATTACHMENT NUMBER 1REPORTS AND REPORT DISTRIBUTIONREPORT TYPES

- (a) Performance (Technical) Report(s) (Include letter report(s))  
Frequency: As Requested
- (b) Final Technical Report, issued at completion of Grant.
- (c) Final Financial Status Report (SF 269)
- (d) Final Patent Report (DD882)

REPORTS DISTRIBUTION

<u>ADDRESSEES</u>	<u>REPORT TYPES</u>	<u>NUMBER OF COPIES</u>
PROGRAM MANAGER/OFFICER ONR: 312 ALVIN M. GOODMAN OFFICE OF NAVAL RESEARCH BALLSTON TOWER ONE 800 NORTH QUINCY STREET ARLINGTON, VIRGINIA 22217-5660	(a) & (b)	3
ADMINISTRATIVE GRANTS OFFICER OFFICE OF NAVAL RESEARCH REGIONAL OFFICE CHICAGO 536 S CLARK STREET ROOM 208 CHICAGO IL 60605-1588	(a), (b), (c) & (d)	1
DIRECTOR, NAVAL RESEARCH LABORATORY ATTN: Code 2627 WASHINGTON, DC 20375	(a) & (b)	1
DEFENSE TECHNICAL INFORMATION CENTER BUILDING 5, CAMERON STATION ALEXANDRIA, VIRGINIA 22304-6145	(a) & (b)	2
OFFICE OF NAVAL RESERACH BALLSTON TOWER ONE ATTN ONR OOCCL MR WILLIAM F MCCARTHY 800 NORTH QUINCY STREET ARLINGTON, VIRGINIA 22217-5660	(d)	1

If the Program Manager/Officer directs, the Grantee shall make additional distribution of technical reports in accordance with a supplemental distribution list provided by the Program Manager/Officer. The supplemental distribution list shall not exceed 250 addresses.

**EXHIBIT A**

The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request, the Administrative Grants Officer named herein will make their full text available.

**OFFICE OF NAVAL RESEARCH**

**GRANT GENERAL TERMS AND CONDITIONS  
FOR EDUCATIONAL INSTITUTIONS, NONPROFIT  
ORGANIZATIONS, AND STATE AND LOCAL GOVERNMENT**

**ARTICLE**

1. Federal Requirements
2. Order of Precedence
3. Administration and Cost Principles
4. Research Responsibilities
5. Amendment of Grant
6. University Grantees
7. Principal Investigator
8. Publications
9. Acknowledgment of Sponsorship
10. Grantee-Acquired Property
11. Patent Rights
12. Rights in Technical Data and Computer Software
13. Human Subjects
14. Animal Welfare
15. Research Involving Recombinant DNA Molecules
16. Foreign Travel Approval
17. Activities Abroad
18. Nondiscrimination
19. Clean Air and Water
20. U.S. Flag Air Carriers
21. Security
22. Subawards and Contracts/Subcontracts
23. New Restrictions on Lobbying